Cambridge

100 Cambridge Park Drive, Suite 101 Cambridge, MA 02140-2369 Phone 617-868-3401 Fax 617-868-3477

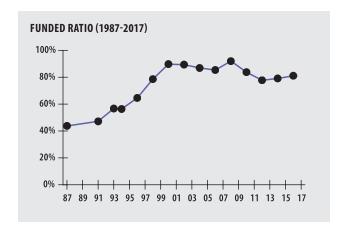
Board Members

Francis E. Murphy III (Chairperson), Nadia Chamblin-Foster, Michael P. Gardner, James H. Monagle, John W. Shinkwin

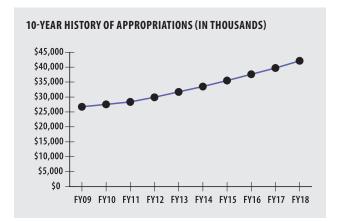
Board Administrator

Ellen K. Philbin **Board Meeting**

First Monday of every month



INVESTMENT RETURN (2013-2017, 5 YEAR AND 33 YEAR AVERAGES) 25% 20% 15% 10% 5% 0% 13 14 15 16 17 13-17 85-17

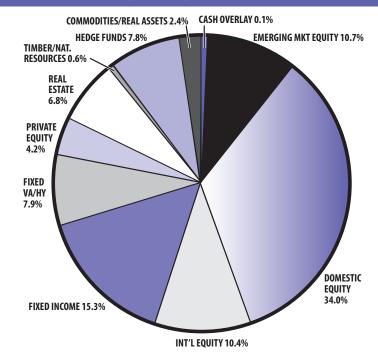


33 years 2017 9.45%	32 years 2016 9.22%	31 years 2015 9.23%
10 years 2017 6.35%	10 years 2016 5.86%	10 years 2015 6.28%
5 years 2017 10.39%	5 years 2016 9.98%	<u>5 years 2015</u> 8.04%

ACTUARIAL

► Funded Ratio		81.1%
▶ Date of Last Valuation		01/16
		,
► Actuary		Segal
Assumed Rate of Return		7.75%
▶ Funding Schedule		5.85% Total Increasing
▶ Year Fully Funded		2026
► Unfunded Liability		\$252.9 M
► Total Pension Appropriation (Fiscal 2018)		\$42.1 M
	ACTIVE	RETIRED
Number of Members	3,019	2,019
► Total Payroll/Benefit	\$221.0 M	\$67.0 M
Average Salary/Benefit	\$73,200	\$33,200
► Average Age	48	NA
Average Service	14.6 years	NA

ASSET ALLOCATION (12/31/17)



EARNED INCOME OF DISABILITY RETIREES (2016)

 Number of Disability Retirees Number Who Reported Earnings Number of Excess Earners Total Amount of Refund Due 	271 44 0 \$0
 2017 Return 2017 Market Value 2013-2017 (Annualized) 1985-2017 (Annualized) 	17.17% \$1.3 B 10.39% 9.45%

INVESTMENT RETURN HISTORY